


## SECTION 1 – IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

<b>Product Name</b>	<b>Ken-Up Aquatic 360 Herbicide</b>
<b>Company Name</b>	Kenso Corporation (M) Sdn Bhd
<b>Address</b>	2 Bond Crescent, Forrest Hill, Auckland 0620 New Zealand
<b>Telephone</b>	0800 536 766
<b>Hazardous Substances</b>	
<b>Emergency Telephone</b>	<b>0800 CHEMCALL (0800 243 622) (24 hours)</b>
<b>National Poisons Centre</b>	<b>0800 POISON (0800 764 766) (24 hours)</b>
<b>Use</b>	A non-selective, non-residual herbicide suitable for use in drains and aquatic areas and for general use in agriculture, horticulture, forestry and non-cropland areas.

## SECTION 2 – HAZARDS IDENTIFICATION

<b>Hazard Pictograms</b>	
<b>GHS Signal Word</b>	<b>WARNING</b>
<b>Hazard Statement</b>	H315: Causes skin irritation. H319: Causes serious eye irritation. H411: Toxic to aquatic life with long lasting effects.
<b>Prevention</b>	P103: Read label before use. P264: Wash contacted areas thoroughly after handling. P273: Avoid release to the environment. P280: Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	P302 + P352: IF ON SKIN: Wash with plenty of soap and water. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321: Specific treatment (see FIRST AID on this label). P332 + P313: If skin irritation occurs: Get medical advice/attention. P337 + P313: If eye irritation persists: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse. P391: Collect spillage.
<b>Disposal</b>	P501: Dispose of contents/container as per specified on the registered label.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No	Proportion
Glyphosate (present as isopropylamine salt)	1071-83-6	36% w/v
Water		To 100%
Other inert ingredients	secret	<10% w/v

## SECTION 4 – FIRST AID MEASURES

<b>Ingestion</b>	Rinse mouth with water. Give plenty of water to drink. Do NOT induce vomiting. Seek medical assistance.
<b>Eye</b>	Hold the eyes and flush immediately with plenty of water. Seek medical advice if irritation develops.
<b>Skin</b>	Remove contaminated clothing and wash affected areas or skin with soap and water. Seek medical advice if irritation develops.
<b>Inhalation</b>	Remove to fresh air, keep warm and at rest. Give artificial respiration or oxygen if breathing is shallow or stopped. Get medical attention immediately.
<b>Advice to Doctor</b>	Treatment is symptomatic.

## SECTION 5 – FIRE FIGHTING MEASURES

<b>Fire/Explosion Hazard</b>	Not a fire or explosion hazard
<b>HAZCHEM Code</b>	2X
<b>IER Guide No</b>	47

<b>Extinguishing Media</b> <b>Fire Fighting Instructions</b>	Extinguish fire with foam, dry powder, carbon dioxide or water spray. Evacuate personnel to a safe area. Always wear positive-pressure self-contained breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies or drainage systems.
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## SECTION 6 – ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions</b> <b>Spillage</b>	For appropriate personal protective equipment (PPE), refer to section 8. For cleanup of a spill from a single shipping pack soak up with absorbent clays or other non-combustible absorbent material and place into containers for disposal. If applicable, wash the area with detergent and water. Prevent spillage from entering drains or water courses. Wear chemical resistant protective clothing including: coveralls, footwear, respiratory protection goggles and gloves. Stop leak if safe to do so, and contain spill. Absorb into sand, vermiculite or other suitable absorbent material. If spill is too large or if absorbent material is not available, try to create a dyke to stop material spreading or going into drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. After spills, wash area with water and detergent preventing runoff from entering drains. If a significant quantity of material enters drains, advise regional council and emergency services. Ensure appropriate disposal by consulting local, regional authority regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.
<b>Environmental Precautions</b>	Concentrate, solutions and washings must be prevented from entering surface water drains or waterways.

## SECTION 7 – HANDLING AND STORAGE

<b>Storage</b>	Keep out of reach of children. Store in original container, tightly closed, away from human and animal foodstuffs, medicines and remedies, seeds and fertilisers. Segregate from incompatible hazardous substances (Classes 1, 4 & 5). Store in a cool, dry, well ventilated place and protect from sunlight.
<b>Handling</b>	Avoid contact with skin and eyes and inhalation of concentrate or spray mist. When using, do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.
<b>Handler Competence</b>	Persons responsible for the storage, handling, mixing, applying or disposing of this product must either be a Certified Handler or be trained, experienced or supervised in accordance with requirements for class 6 and 9 substances of the Health and Safety at Work (Hazardous Substances) Regulations 2017 part 4.5 and the Hazardous Substances (Hazardous Property Controls) Notice 2017 Part 4 Subpart C.
<b>Record Keeping</b> <b>Additional Requirements</b>	Not required. All aspects of storage, handling, use, disposal and record keeping must be in accordance with NZS 8409:2004 'Management of Agrichemicals', and relevant local and regional council plans.

## SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

<b>Engineering Controls</b>	Well ventilated. Product is used outdoors. Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. If airborne mists or vapours are generated, use respiratory protection to a minimum of Organic Vapour cartridge type and/or local exhaust ventilation controls. Assess exposure and use any additional measures to keep airborne levels below any relevant exposure limit. Follow precaution statements on the label and the use and safety directions in Code of Practice for the Management of Agrichemical NZS8409.
<b>Personal Protection</b>	Use only protective equipment bearing the mark of the Standards Association of Australia/ New Zealand. In case of heavy exposure, wear full respiratory protection (at least to organic vapour standard) eye protection, chemical

resistant coveralls, footwear and gloves.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	Soluble liquid
Colour	Clear yellow colour
Odour	Slight ammoniacal odour
pH	4.8 – 5.2
Specific gravity	1.17
Flash point (°C)	NA
Flammability Limits	Non combustible
Miscibility	Soluble
Oxidising properties	Not oxidising
Explosive properties	Not explosive

## SECTION 10 – STABILITY AND REACTIVITY

Stability	Stable under normal conditions.
Incompatibility	No particular incompatibilities.
Decomposition	Carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke. Nitrogen and its compounds, and under some circumstances, oxides of nitrogen. Occasionally hydrogen cyanide gas. Oxides of phosphorus and other phosphorus compounds. Water. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death. Hydrogen cyanide poisoning signs and symptoms are weakness, dizziness, headache, nausea, vomiting, coma, convulsions, and death. Death results from respiratory arrest. Hydrogen cyanide gas acts very rapidly; symptoms and death can both occur quickly.
Dangerous Reactions	Not known.

## SECTION 11 – TOXICOLOGICAL INFORMATION

This section describes effects which could occur if this product is not handled in accordance with this data sheet.

Acute Toxicity (Active Ingredient)	Acute Oral LD <sub>50</sub> (rats): 5600 mg/kg Acute Dermal LD <sub>50</sub> (rabbits): >5000 mg/kg LC <sub>50</sub> (96h) for rainbow trout: 8.2-26 mg/L LC <sub>50</sub> (96h) for bluegill sunfish: 5.8-14 mg/L LD <sub>50</sub> for bees: >0.1 mg/kg
Other Information	The Australian Acceptable Daily Intake (ADI) for glyphosate for a human is 0.3 mg/kg/day, set for the public for daily, lifetime exposure. This is based on the NOEL of 30 mg/kg/day, the level determined to show no effects during long term exposure for the most sensitive indicators and the most sensitive species. (Ref: Comm. Dept. of Health and Ageing, 'ADI List', TGA, August 2003).

## SECTION 12 – ECOTOXICITY INFORMATION

This section describes effects which could occur if this material is not handled in accordance with this data sheet.

The following information is presented in respect of the active ingredient:

Ecotoxic Effects	Technical glyphosate acid is practically non-toxic to fish and may be slightly toxic to aquatic invertebrates. Do not spray in high winds.
Acute Toxicity – Fish	Not toxic to fish. LC <sub>50</sub> (96 hr) for rainbow trout is >989 mg/l. LC <sub>50</sub> (96 hr) for carp is >895 mg/l
Acute Toxicity – Other Organisms	Birds: Not toxic to birds. LD <sub>50</sub> for mallard ducks and bobwhite quail (diet) is >5620 mg/kg Bees: Not toxic to bees. LD <sub>50</sub> >100 µg/bee.

## SECTION 13 – DISPOSAL CONSIDERATIONS

<b>Product</b>	Dispose of this product only by using according to the label, or at an approved hazardous substances waste receiveal facility. On-site disposal of concentrate is not acceptable
<b>Container</b>	Triple rinse containers, add rinsate to the spray tank, then offer container for recycling/reconditioning (Agrecovery), or puncture top, sides and bottom and submit to a local authority waste receiveal facility (Transfer Station). DO NOT reuse this container for any other purpose.

## SECTION 14 – TRANSPORT INFORMATION

<b>Dangerous Goods</b>	
<b>UN Number</b>	3082
<b>Proper Shipping Name</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (contains glyphosate 36%)
<b>Class</b>	9
<b>Subsidiary Class</b>	None
<b>Packaging Group</b>	III
<b>Additional Information</b>	MARINE POLLUTANT
<b>MTQ (Non-Commercial)</b>	250 L

## SECTION 15 – REGULATORY INFORMATION

<b>HSNO Approval No</b>	HSR000769
<b>ACVM Approval No</b>	P8338

## SECTION 16 – OTHER INFORMATION

This SDS contains only safety-related information. For other data see product literature.

<b>Contact Points</b>	
Police, Ambulance and Fire Service	111
National Poisons Information Centre	0800 POISON (0800 764 766)
Hazardous Substances Emergency	0800 CHEMCALL (0800 243 622)